



भारत सरकार / Government of India  
पत्तन, पोत परिवहन और जलमार्ग मंत्रालय  
Ministry of Ports, Shipping and Waterways  
**दीपस्तंभ और दीपपोत महानिदेशालय**  
**Directorate General of Lighthouses and Lightships**

No 2102/1/2019-DP (e-office)

Date 12.11.2025

To

✓ The Secretary-General  
IALA  
10 rue des Gaudines 78100  
St Germain en Laye, France.  
Tel: +33 (0)1 34 51 70 01,  
+33 (0)1 34 51 03 00  
Email: [contact@iala.int](mailto:contact@iala.int)

Subject: Submission of Input Papers from India for the 3rd IALA Council Meeting

Sir,

Please find enclosed herewith the input papers from India for consideration during the 3<sup>rd</sup> Session of IALA Council.

Yours faithfully,

(Digvijay Singh)  
Deputy Director  
For Director General

Encl. As above.



## Matters – India

The 3<sup>rd</sup> Session of IALA Council

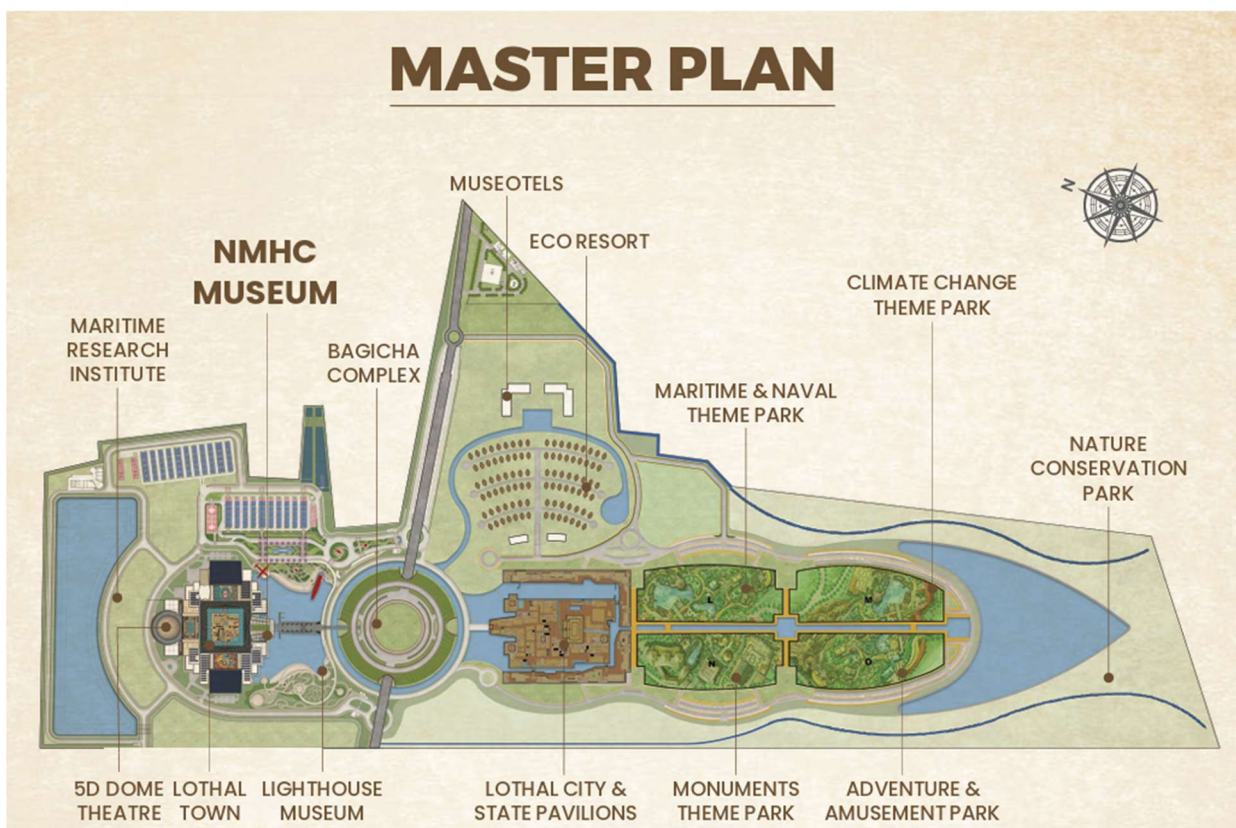
8-12 December 2025

Mumbai, India

### 1. Construction and Development of Lighthouse Museum at National Maritime Heritage Complex at Lothal, Gujarat.

Lothal was one among the prominent cities of the traditional Harappan civilization dating to 2400 BC, located in Gujarat, a crucial western state of India. Archaeological excavations have discovered the oldest man-made dockyard, over 5000 years old. Lothal, a planned town with distinct upper and lower sections, and evidence of extensive trade networks with West Asia and Africa.

To showcase India's rich and diverse maritime heritage, Ministry of Ports, Shipping and Waterways, has envisioned to develop a National Maritime Heritage Complex (NMHC) at Lothal, Gujarat. The Master Plan of NMHC envisaged to be executed in 400 Acre in three Phase's viz. Phase 1A, Phase 1B and Phase 2. Execution of Phase 1A is in progress which includes the development of National Maritime Heritage Museum, along with its associated infrastructure development and a mini re-creation of Lothal Town.







**3D conceptual Master Plan of NMHC**

Under the Phase 1B development, the proposed Lighthouse Museum is included in the form of 77 m high Lighthouse tower and associated infrastructure works. The Lighthouse Museum, inspired by the Mahabalipuram lighthouse known to be one of the oldest lighthouses in the country, which uses similar stone for its façade and features a viewing gallery offering panoramic views of the NMHC.

It will educate visitors on India's lighthouse history and coastline through AR/VR (Augmented Reality / Virtual Reality) exhibits, a state-of-the-art sound & light show, and 3D projection mapping on its façade, creating an immersive experience. The ground-floor plaza, with vibrant landscaping, will be publicly accessible, hosting self-guided exhibits and events to narrate India's maritime story, aiming to draw global tourists.

## **2. Capacity Building - IALA Level 1.3. The use of the IALA Risk Management Tools Training and IALA Level 1.1 AtoN Manager Course Organized at Marine Navigation Training Institute (ATO) in Kolkata.**

India continues to strengthen its commitment towards capacity building in the field of Marine Aids to Navigation through its Accredited Training Organisation, the Marine Navigation Training Institute (MNTI), Kolkata.

The IALA Level 1.3 – Use of IALA Risk Management Tools Training in association with IALA was successfully conducted for the first time in India at MNTI from 14<sup>th</sup> to 18<sup>th</sup> July 2025. The course was attended by five international participants (Bangladesh, Australia, East Timor, and Indonesia) along with sixteen Indian participants. The training program was inaugurated by Mr. Omar Frits Eriksson, Dy. Secretary General of IALA, who graced the occasion as the Chief Guest.





Further, the IALA Level 1.1 – Aids to Navigation (AtoN) Manager Course in association with IALA is currently being conducted at MNTI from 27th October to 21st November 2025. Ten international participants (two from the Philippines, one each from Bangladesh, Kenya, Tanzania, and Georgia, and four from Liberia) along with six participants from India are attending the training. Participation of two women candidates in this program reflects the growing empowerment and representation of women in the maritime domain. This reflects India's role as a regional hub for IALA capacity-building activities in the Asia-Pacific and African regions.





### **3. Procurement of New Buoy Tender Vessel**

The Directorate General of Lighthouses and Lightships (DGLL) own two buoy tender vessels namely MV Sagardeep-II and MV Indira Point to meet the operational requirements for deep-sea buoy maintenance along the Indian Coast and mobilization of resources to remote Island Lighthouse stations.

The vessel MV Sagardeep-II, commissioned in 2002, has been serving effectively for over two decades. In line with the policy on decarbonization and to align with global standards of technological advancement and sustainability, DGLL has initiated the induction of a new-generation buoy tender vessel incorporating state-of-the-art technologies and enhanced operational capabilities.

To this end, DGLL has commenced the preparation of a Detailed Project Report (DPR) and vessel design, focusing on modernized systems, improved energy efficiency, and environmental compliance. The new vessel is expected to be commissioned and operational by early 2029, further strengthening the capacity for reliable and sustainable operations of Marine Aids to Navigation.